



The Impact of Bankruptcy Probability on the Stock Prices of Jordanian Industrial Corporations: An Empirical Study

2013

أثر احتمالية الإفلاس على أسعار أسهم الشركات المساهمة
العامة الصناعية الأردنية: دراسة تحليلية

The Impact of Bankruptcy Probability on the Stock Prices of
Jordanian Industrial Corporations: An Empirical Study

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ووفقاً عليها

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$$U = \frac{1}{2} \sum_{i=1}^n (x_i^2 + y_i^2)$$

$$\dot{U} = \frac{\partial U}{\partial t} + \vec{v} \cdot \nabla U = -1(X_3)$$

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Multiple Logistic Regression	105
Over the counter market	2,058
Over the counter market	85.11
Over the counter market	82.61
Over the counter market	87.61
Multicollinearity	
Shirata	1998
Multiple Discriminant Analysis	1
Quadratic Model and Non-parametric Model	2
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"Ohlson and Shirata Models in Tehran Stock Exchange"

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Prices: The Effect of Altman Z-Score Information on Stock Prices

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" Financial Distress Risk and Stock Returns: 2008 Yusof "

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" Financial Ratios as the Predictor of 2008 Idris Ö Ö

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"Bankruptcy Prediction for Large and Small Firms in Asia: A Comparison of Ohlson and Altman" **2004 Pongsatat et al.,**

Firms in Asia: A Comparison of Ohlson and Altman"

Ohlson and Altman's models are based on the following assumptions:

Ohlson's model is based on the following assumptions:

Altman's model is based on the following assumptions:

Ohlson's model is based on the following assumptions:

Altman's model is based on the following assumptions:

"Is the Risk of Bankruptcy a Systematic Risk?" **1998 Dichev**

Ohlson and Altman's models are based on the following assumptions:

Ohlson's model is based on the following assumptions:

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Ohlson's model is based on the following assumptions:

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Altman's model is based on the following assumptions:

"Information effects and stock market response to signs of firm deterioration" **1981 Altman & Brenner**

Ohlson and Altman's models are based on the following assumptions:

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1.5 مقدمة

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2.5 التحليل الوصفي لمتغيرات الدراسة

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	Mean	Maximum	Minimum	Std. Dev.
Shirata Z-Score	! \$"+&(·	\$"+' (·	! &%"%& ·	' "&+, ·
Price Earnings Ratio (Times)	! \$"- () ·	%&' "*, ·	! %&*"S, + ·	%&" - +\$ ·
Price-to-Book-Value Ratio (Times)	\$"" %&	(%"\$&* ·	! , - "\$\$\$) ·	&") ((·
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جدول رقم (4-5) : نتائج تحليل نموذج الدراسة لعينة الدراسة كاملة

		Pooled Data		Fixed Effect Model		Random Effect Model
Constant	Prob.>t	(0.052)	Prob.>t	(0.282)	Prob.>Z	(0.156)
	Coef.	-3.365	Coef.	-6.426	Coef.	-3.742
Shirata Z-Score	Prob.>t	(0.047)	Prob.>t	(0.073)	Prob.>Z	(0.047)
	Coef.	-0.0549	Coef.	-0.0434	Coef.	-0.045
Price Earnings Ratio (Times)	Prob.>t	(0.014)	Prob.>t	(0.020)	Prob.>Z	(0.008)
	Coef.	0.211	Coef.	0.204	Coef.	0.201
Price Book Value Ratio (Times)	Prob.>t	(0.000)	Prob.>t	(0.000)	Prob.>Z	(0.000)
	Coef.	-.395	Coef.	-0.306	Coef.	-0.322
Total Assets	Prob.>t	(0.054)	Prob.>t	(0.298)	Prob.>Z	(0.175)
	Coef.	0.22	Coef.	0.409	Coef.	0.235
F-Statistic	Prob.>t	17.55	Prob.>t	9.87	Prob.>Z	53.17
	Coef.	(0.0000)	Coef.	(0.0000)	Coef.	(0.0000)
Observations (n)	# Obs.	73	# Obs.	73	# Obs.	73
LM Test / Chi ²		26.97				
		(0.0000)				
Hausman Test / Chi ²		5.74				
		(0.2198)				
R-sq		0.4529				

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*" & نتائج وإستنتاجات الدراسة

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(Price-to-Book-Value Ratio)

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ثانيا : المراجع الأجنبية

Altman, E. I. (1968). "Financial ratios, discriminant analysis and the prediction of corporate bankruptcy". *The Journal of Finance*, 23(4), pp.580–610.

Altman, E. I. (1993). "Corporate financial distress and bankruptcy: A guide to predicting and avoiding distress and profiting from bankruptcy" (2nd ed.). New York: John Wiley & Sons.

Altman, E. & Brenner, M. (1981). "Information effects and stock market response to signs of firm deterioration", *The Journal of Financial and Quantitative Analysis*, volume XLV, No.1:35-51

Apergis, N. Sorros, J. Artikis, P. and Zisis, V (2011)". Bankruptcy Probability and Stock Prices: The Effect of Altman Z-Score Information on Stock Prices through Panel Data" *Journal of Modern Accounting and Auditing*, ISSN 1548-6583 July 2011, Vol. 7, No. 7, 689-696

Beaver, W. H. (1966). "Financial ratios as predictors of failure" *Journal of Accounting Research*, 4(Suppl. 3), pp.71–111.

Deakin, E. B. (1972)." A discriminant analysis of predictors of business failures" *Journal of Accounting Research*, 10(1), pp.167–179.

Dichev, I. D. (1998), "Is the Risk of Bankruptcy a Systematic Risk?" *The journal of finance*. Vol. LIII, NO. 3: 1134-1146

Fama, Eugene F. 1970. "Efficient Capital Markets: A Review of Theory and Empirical Work." *Journal of Finance*. 25:2, pp. 383–417.

Fitzpatrick, P. J. (1934). "Transitional stages of a business failure" *The Accounting Review*, 9(4), pp. 337–340.

Gerantonis, N. Vergos, K. and Christopoulos, A (2009)" Can Altman Z-score Models Predict Business Failures in Greece?" *Research Journal of International Studies* - Issue 12 (October, 2009) pp.21

Gujarati, D.N., (2003) .Basic Econometrics. Fourth Edition, Irwin/McGraw-Hill: New York.

Jensen, M. and Meckling, W. (1976) "Theory of the firm: Managerial behavior, agency costs and ownership structure." *Journal of Financial Economics* Vol 3, 305-360.

Jouzbarkand, M. Keivani, F. Khodadadi, M. and Fahim, S (2013) "Bankruptcy Prediction Model by Ohlson and Shirata Models in Tehran Stock Exchange" *World Applied Sciences Journal* 21 (2): 152-156, 2013. ISSN 1818-4952

Kida, T. (1980). An investigation into auditors' continuity and related qualification judgments. *Journal of Accounting Research*, Autumn , 506–523.

Ohlson, J. (1982). "Financial Ratios and the Probabilistic Prediction of Bankruptcy", *Journal of Accounting Research*, Vol. 18, NO 1, pp. 109-131.

Oluwo, M. (2007). "Strategic Use of Financial Ratio to Prevent Bankruptcy: A Study of Opportunity for Business Enterprises", *ProQuest Dissertations & Theses*..

Pompe, P., and Bilderbeek, J. (2005). "The prediction of bankruptcy of small- and medium-sized industrial firms", *Journal of Business Venturing*, Vol. 20, pp. 847-868.

Pongsatat, S., Ramage, J., and Lawrence, H. (2004). "Bankruptcy Prediction for Large and Small Firms in Asia: A Comparison of Ohlson and Altman", *Journal of Accounting and Corporate Governance*, Vol. 1 No. 2, pp. 1-13.

Prihatni, R. Zakaria, A. (2008) " The Financial Performance Analysis Using Altman Z-score and It's Effect on Stock Price: Banking Sector in Indonesian Stock "2nd International Conference on Business and Economic Research (2nd ICBER 2011). PP 798

Idris, R. (2008)" Financial Ratios as the Predictor of Corporate Distress in Malaysia" pp. 4-5. *Paper not published*

Ross, W., and Jaffe j, (2008) "Corporate Finance" 8th, edition, USA.

Smith, R. E., & Winakor, A. (1930). "A test analysis of unsuccessful industrial companies.Bulletin" No.31. *Urbana: University of Illinois, Bureau of Business Research.*

Shirata, C. Y. (1998), "Financial Ratios as Predictors of Bankruptcy in Japan: An Empirical Research", *Journal of finance* Vol.123,PP.589-609.

Yusof, M. A. (2008)."Financial Distress Risk and Stock Returns: Evedence of the Malaysian Stock Market" *paper not published*

ثالثاً: المراجع الإلكترونية

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Abstract

Al-jahmani, Mohammad Qasem. The Impact of Bankruptcy Probability on the Stock Prices of Jordanian Industrial Corporations: an Empirical Study. Master Thesis, Yarmouk University, 2013. (Supervisor. Dr. Iaad Sartawi and Dr. Ziad Zuraiqat).

This study aimed to test the relationship between the probability of bankruptcy of Jordanian industrial corporations measured by Shirata Z-score and stock prices. To achieve the objective of the study, panel data methodology is used to analyze 5-year financial data prior to bankruptcy for a sample of 15 bankrupted Jordanian industrial corporations.

The study showed a statistically significant negative relationship between bankruptcy probability measured by Shirata Z-score and stock prices. Also, the study found a statistically significant positive relationship between the Price Earnings Ratio and the stock prices, and a statistically significant negative relationship between the Price Book Value Ratio and the stock prices.

In light of these findings, the study recommended that more attention to be paid to the industrial sector since it is one of the vital economic sectors in Jordan. Also, Future research can be conducted on other sectors, and the impact of new variables such as: capital structure, financial performance and competition on the bankruptcy probability and the stock prices can be investigated.

Key Words: Bankruptcy Probability, Shirata-Z score, Stock prices, Panel Data Analysis, Jordanian Industrial Corporations.